

NEW GUINEA IMPATIENS PLANT NAMED 'FISUPNIC TALLRED'

Genus and species of the plant claimed:

New Guinea Impatiens hawkeri W. Bull (hybrid)

Variety denomination:

5 Fisupnic Tallred

BACKGROUND OF THE INVENTION

The present invention comprises a new and distinct cultivar of *Impatiens*, botanically known as *New Guinea Impatiens hawkeri*, and hereinafter referred to by the cultivar name 'Fisupnic Tallred'.

10 'Fisupnic Tallred' is a product of a planned breeding program and originated from a hybridization made by the inventor, Birgit C. Hofmann, in a controlled breeding program in Hillscheid, Germany, in the summer of 2000.

The female parent was the variety 'Fisimp 100'(unpatented), characterized by red flowers, medium green foliage, and vigorous growth habit.

15 The male parent was the variety 'Fisimp 171'(U.S. Plant Patent no. 13,703), characterized by cherry-red flower color, deep green foliage, and medium sized plant habit.

'Fisupnic Tallred' was discovered and selected as a flowering plant within the progeny of the stated cross made by the inventor in April, 2001, in a greenhouse in Galdar, Can Canaria, Spain.

20 The first act of vegetative or asexual reproduction of 'Fisupnic Tallred' was accomplished when cuttings were taken from the initial selection in July, 2001, in a controlled environment in Galdar, Gran Canaria, Spain, by, or under the supervision of, Birgit Hofmann.

Horticultural examination of plants grown from these cuttings initiated in the spring of 2002, in Hillscheid, Germany, and continuing thereafter, has demonstrated that the combination of characteristics as herein disclosed for 'Fisupnic Tallred' are firmly fixed and are retained through successive generations of asexual reproduction. The new cultivar
5 reproduces true to type.

'Fisupnic Tallred' has not been observed under all possible environmental conditions. The phenotype may vary significantly with variations in environment such as temperature, light intensity and day length, without, however, any variation in genotype. The following observations, measurements, and comparisons describe plants grown in Hillscheid, Federal
10 Republic of Germany, under green-house conditions which approximate those generally used in commercial practice.

BRIEF SUMMARY OF THE INVENTION

The following traits have been repeatedly observed and are determined to be basic characteristics of 'Fisupnic Tallred', which in combination distinguish this *Impatiens* as a
15 new and distinct cultivar:

1. Brilliant red flower color;
2. relatively large, round, flat flower shape;
3. intense green foliage;
4. vigorous growth, well-branched, wide and rounded plant habit;
- 20 5. early to medium flowering response; and
6. suitable for tubs and as outdoor bedding plants.

Of the many commercial cultivars known to the inventor, the most similar in comparison to 'Fisupnic Tallred' is the patented variety 'Fisnics Red' (U.S. Plant Patent No.13,226), and the parental variety 'Fisimp 171'.

In comparison to 'Fisnics Red', 'Fisupnic Tallred' has somewhat larger flowers
5 (larger diameter by 5 mm), and has a slight scarlet hue in its flower color, while 'Fisnics Red' is medium red, has slightly deeper green foliage, larger leaves, and generally taller plant habit.

In comparison to the parental variety 'Fisimp 171', 'Fisupnic Tallred' has a different, slightly scarlet hue of flower color, while 'Fisimp 171' has a cherry-red color. 'Fisupnic
10 Tallred' has similar foliage color as 'Fisimp 171', but it grows distinctly taller.

BRIEF DESCRIPTION OF THE DRAWINGS

The accompanying photographic drawing shows typical flower and foliage characteristics of 'Fisupnic Tallred' with colors being as true as possible with illustrations of this type. The photographic drawing shows a side view of a typical flowering plant of
15 'Fisupnic Tallred'.

DETAILED BOTANICAL DESCRIPTION

In the following description color references are made to the Royal Horticultural Society Colour Chart (RHS). The color values were determined indoors from plants growing in a greenhouse in May 2003, Hilscheid, Germany. The description is based on plants which
20 were planted as rooted cuttings in 12 cm pots in late February 2003, and then grown in a greenhouse at a minimum temperature of 16° C. Most observations and measurements were made after the beginning of flowering in mid May, when the plants were about 12 weeks old.

Plant:

General appearance and form:

Plant habit: Tall, uniformly mounded, well-branched (self-branching), but only
moderately tight; growth is indeterminate, though weak after begin of
5 flowering

Height: 20.0 cm

Width: 37.5 cm

Number of branches: Approximately 12

Internode length: 40-55 mm

10 Length of braches: 14-16 cm

Diameter of branches: 6-8 mm

Stem color: Mainly light green, RHS 145 B-C, brownish at the nodes

Propagation: Terminal shoot tips for cuttings

15 Rooting: Roots initiate in about 18 days at 22° C, from sticking to
transplanting

Cultivation time: To produce a marketable flowering plant in a 12 cm pot takes
about 10 weeks of growing time

Foliage:

Arrangement: Primarily in whorls

20 Shape: Elliptic, with acute base and acute to acuminate tip, surface somewhat
rippled, most often glossy

Margin: Serrulated, ciliated

Length: 11.3 cm

Width: 4.0 cm

Upper surface, main color: Deep medium green, no variegation; mature leaves
between RHS 137 A and RHS 139 A; young leaves between RHS 141 B and
RHS 141 C

5 Veins on upper surface: Pale green, RHS 145 A

Veins on lower surface: Light green, about RHS 138 B (both young and
mature leaves)

Veins on lower surface, color: - RHS 145 B-C

10 Petiole: 25- 30 mm in length, 3 mm in diameter; upper side color RHS 48 B,
lower side RHS 145 C

Inflorescence:

Flowering response: 9-10 weeks after planting of rooted cuttings

Flowering season: Generally from March to October, depending on light
intensity

15 Flower:

Number of flowers per node: 6-8, in various stages of development

Form of corolla: Single-type, 5 petals

Shape of corolla: Nearly round, with the petals overlapping, almost flat

Average length: 75 mm

20 Average width: 72 mm

Shape of petals: Cordate, at the top end weak to moderate lobes, top petal 28
mm long, 44 mm wide; lateral petals 32 mm long, 33 mm wide;
lower petals 30 mm long, 40 mm wide

Texture: Smooth, velvety

Aspect: Flat

Color (general tonality from a distance of three meters): Uniform, brilliant red

Color of upper surface: Between RHS 44 A and 45 A (including eye zone)

5 Color of lower surface: Orange-red, RHS 43 B

Spur color: Deep pink, RHS 53 C

Spur shape and size: Downwardly curved, about 70 mm long, 3 mm in diameter at
the flower end

Pedicel color: Light green , RHS 145 B, partly brownish infused, RHS 179 B

10 Pedicel length: 50-55 mm, 2 mm in diameter

Flower bud: Ovoid shape, 23 mm in length, 15 mm in diameter; color RHS 45 C

Reproductive organs:

Androecium:

Stamens: 5 in number, fused, upper surface color is RHS 43 C

15 Anthers: Fused, hooded

Pollen: Moderate (typical), whitish-yellow, about RHS 8 D

Gynoecium :

Style and stigma: Five in number, very short, colorless, near RHS 150 D

Ovary: 5-celled, 5 mm long, surface color green RHS 137 A

20 Disease/pest resistance/susceptibility: No observation made to date